

SB 62 PROJECT REPORT

May 2006

Project	Grant Amount	Remaining Funds	Project Summary
Humboldt River Basin Water Authority	\$120,000.00	\$120,000.00	Assemble existing information into a water resources data base in support of threats to water rights. Develop recommendations for collection of additional necessary data. Develop a public information program. Deliver a summary report for each county describing available forecast of economic/demographic conditions and related water.
Esmeralda County	\$16,245.85	\$16,245.85	Conduct a physical reconnaissance of the County's present water uses & existing water rights and develop a strategy to enhance and protect the County's water rights to ensure present and future water demands can be met. Write a water rights management plan.
Town of Tonopah	\$11,250.00	\$11,250.00	Assemble all active surface and groundwater rights for Ralston Valley Hydrographic Basin No. 141, Big Smokey – Tonopah Flat Hydrographic Basin No. 137, and Alkali Spring Valley Hydrographic Basin No. 142.
Churchill County	\$36,500.00	\$36,500.00	Update of the County's Water Resources Plan for surface and groundwater resources. Review of all county records relating to water resource requirements, both existing and projected. Update of the water resource ownership in the County.
Eureka County	\$120,000.00	\$120,000.00	Compile and develop a database of existing water-level data and supporting hydrologic information as the basis for developing a baseline of water-level measurements for Nevada's Central Hydrographic Region. Create maps showing a spatial distribution of existing water level data.
Gerlach	\$92,833.42	\$92,833.42	A database of spring flow and quality will be developed to determine any changes that might result from the proposed development in the basin that might adversely affects the two springs (Garden and Railroad Springs) that provide water to Gerlach. Collection boxes, meters and/or remote sensing equipment may be used to obtain data from the springs.
LVVWD – Kyle Canyon	\$27,184.72	\$27,184.72	Install 100 Permalog units for the detection of subsurface leaks and acquisition of a Patroller unit for data collection. This system will allow operators to find and repair leaks, protecting millions of gallons of water previously lost to the system.
City of Fernley	\$38,680.59	\$38,680.59	Reconcile all past and future mapping difficulties by attempting to develop a new GIS map of all Truckee Diversion surface water rights within the City of Fernley.
Virgin Valley Water District	\$116,041.77	\$116,041.77	Analyze water quality information from throughout the watershed region to develop a conceptual model of groundwater flow, mixing and hydrologic connection through naturally occurring chemical tracers, and develop a steady-state representation of the predevelopment conditions of the regional groundwater flow systems utilizing modifications of previous models to develop a comprehensive numerical model.
White Pine County	\$116,041.77	\$116,041.77	Update information (including: hydrogeologic framework, groundwater hydrology, and regional groundwater flow system) on County's water resources and update the Water Resources Plan to assist in identifying potential water use and needs based on scenarios for growth and development.
LVVWD – Searchlight	\$150,000.00	\$150,000.00	Drill and develop 4 new monitoring wells to better understand the groundwater resource and groundwater quality in Paiute Valley and the Eldorado Valley Basins. One of the 4 wells will be funded by this grant.
Topaz Ranch Estates	\$5221.88	\$5221.88	Identification and mapping of proposed point of use/place of diversion for the existing 9 water rights permits.
Central Nevada Regional Water Authority	\$150,000.00	\$150,000.00	Compile and document the baseline information required to determine long-term changes in groundwater levels in order to evaluate the sustainability of present groundwater supplies secured under existing water rights, analyze the impacts of future development, and support future actions by local governments.